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January 21, 2015

Via Federal Express

Document Processing Center (Mail Code 7407M)
Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004

Dear 8(e) Coordinator:

8EHQ-12-18803
1-[5-(2,6-Difluorophenyl)-4,5-dihydro-3-isoxazolyl]ethanone
CAS# 1173693-36-1

This letter is to inform you of the results of a developmental toxicity screening test in rats with the above referenced R&D test substance. To the best of our knowledge, this substance is not on the TSCA inventory.

Groups of 8 time-mated CrI:CD®(SD) rats were administered formulations of the test substance in 0.5% methylcellulose with 0.1% Tween 80 by once daily gavage on gestation days (GD) 6-20 at daily dose levels of 0, 50, 250 or 1000 mg/kg/day. During the in-life portion of the study, maternal clinical observations, body weights, and food consumption data were collected. On GD 21, all dams were euthanized and a gross external and visceral examination was performed. The uterus of each pregnant female was removed and the uterine contents were examined and described; all fetuses were removed and individually identified, weighed, sexed, and examined for external alterations. Statistically significant, treatment-related effects were observed at 1000 mg/kg/day consisting of reduced body weight and food consumption parameters as compared to control values in pregnant females. Discolored feces (test substance color) were also observed in pregnant females at 1000 mg/kg/day. At this level, mean fetal weights were also reduced as compared to concurrent controls.

Sincerely,

S. Satheesh Anand, Ph.D., DABT
Senior Research Toxicologist
SSA/JML: jhh
(302) 366-5314

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